

#8



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/926,799

DATE: 06/05/2002

TIME: 17:26:18

Input Set : A:\217039US0XPCT.ST25.txt

Output Set: N:\CRF3\06052002\I926799.raw

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3 <110> APPLICANT: TAKEDA, NAOKAZU
 4 NATORI, KATSURO
 5 MIYAMURA, TATSUO
 6 KAMATA, KUNIO
 7 SATO, TOSHINORI
 8 SATO, SEIYA
 10 <120> TITLE OF INVENTION: Detection Kit for SRSV
 12 <130> FILE REFERENCE: 217039US0XPCT
 14 <140> CURRENT APPLICATION NUMBER: 09/926,799
 C--> 15 <141> CURRENT FILING DATE: 2002-03-29
 17 <150> PRIOR APPLICATION NUMBER: JP 11175928
 18 <151> PRIOR FILING DATE: 1999-06-22
 20 <150> PRIOR APPLICATION NUMBER: JP 11-175928
 21 <151> PRIOR FILING DATE: 1999-06-22
 23 <160> NUMBER OF SEQ ID NOS: 34
 25 <170> SOFTWARE: PatentIn version 3.1
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 45 Met Glu Pro Val Ala Gly Ala Ala Thr Ala Ala Thr Ala Gly Gln
 46 35 40 45
 49 Val Asn Met Ile Asp Pro Trp Ile Met Asn Asn Tyr Val Gln Ala Pro
 50 50 55 60
 53 Gln Gly Glu Phe Thr Ile Ser Pro Asn Asn Thr Pro Gly Asp Ile Leu
 54 65 70 75 80
 57 Phe Asp Leu Gln Leu Gly Pro His Leu Asn Pro Phe Leu Ser His Leu
 58 85 90 95
 61 Ala Gln Met Tyr Asn Gly Trp Val Gly Asn Met Lys Val Lys Val Leu
 62 100 105 110
 65 Leu Ala Gly Asn Ala Phe Thr Ala Gly Lys Ile Ile Ile Ser Cys Ile
 66 115 120 125
 69 Pro Pro Gly Phe Ala Ala Gln Asn Ile Ser Ile Ala Gln Ala Thr Met
 70 130 135 140
 73 Phe Pro His Val Ile Ala Asp Val Arg Val Leu Glu Pro Ile Glu Val
 74 145 150 155 160

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78          165          170          175
81 Pro Thr Met Arg Leu Val Cys Met Leu Tyr Thr Pro Leu Arg Ala Ser
82          180          185          190
85 Gly Ser Ser Ser Gly Thr Asp Pro Phe Val Ile Ala Gly Arg Val Leu
86          195          200          205
89 Thr Cys Pro Ser Pro Asp Phe Ser Phe Leu Phe Leu Val Pro Pro Asn
90          210          215          220
93 Val Glu Gln Lys Thr Lys Pro Phe Ser Val Pro Asn Leu Pro Leu Asn
94 225          230          235          240
97 Thr Leu Ser Asn Ser Arg Val Pro Ser Leu Ile Lys Ser Met Met Val
98          245          250          255
101 Ser Arg Asp His Gly Gln Met Val Gln Phe Gln Asn Gly Arg Val Thr
102          260          265          270
105 Leu Asp Gly Gln Leu Gln Gly Thr Thr Pro Thr Ser Ala Ser Gln Leu
106          275          280          285
109 Cys Lys Ile Arg Gly Ser Val Phe His Ala Asn Gly Gly Asn Gly Tyr
110          290          295          300
113 Asn Leu Thr Glu Leu Asp Gly Ser Pro Tyr His Ala Phe Glu Ser Pro
114 305          310          315          320
117 Ala Pro Ile Gly Phe Pro Asp Leu Gly Glu Cys Asp Trp His Met Glu
118          325          330          335
121 Ala Ser Pro Thr Thr Gln Phe Asn Thr Gly Asp Val Ile Lys Gln Ile
122          340          345          350
125 Asn Val Lys Gln Glu Ser Ala Phe Ala Pro His Leu Gly Thr Ile Gln
126          355          360          365
129 Ala Asp Gly Leu Ser Asp Val Ser Val Asn Thr Asn Met Ile Ala Lys
130          370          375          380
133 Leu Gly Trp Val Ser Pro Val Ser Asp Gly His Arg Gly Asp Val Asp
134 385          390          395          400
137 Pro Trp Val Ile Pro Arg Tyr Gly Ser Thr Leu Thr Glu Ala Ala Gln
138          405          410          415
141 Leu Ala Pro Pro Ile Tyr Pro Pro Gly Phe Gly Glu Ala Ile Val Phe
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145 Phe Met Ser Asp Phe Pro Ile Ala His Gly Thr Asn Gly Leu Ser Val
146          435          440          445
149 Pro Cys Thr Ile Pro Gln Glu Phe Val Thr His Phe Val Asn Glu Gln
150          450          455          460
153 Ala Pro Thr Arg Gly Glu Ala Ala Leu Leu His Tyr Leu Asp Pro Asp
154 465          470          475          480
157 Thr His Arg Asn Leu Gly Glu Phe Lys Leu Tyr Pro Glu Gly Phe Met
158          485          490          495
161 Thr Cys Val Pro Asn Ser Ser Gly Thr Gly Pro Gln Thr Leu Pro Ile
162          500          505          510
165 Asn Gly Val Phe Val Phe Val Ser Trp Val Ser Arg Phe Tyr Gln Leu
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169 Lys Pro Val Gly Thr Ala Gly Pro Ala Cys Arg Leu Gly Ile Arg Arg
170          530          535          540
173 Ser

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191 Gly Ala Gly Gln Leu Val Pro Glu Val Asn Ala Ser Asp Pro Leu Ala
192 20 25 30
195 Met Asp Pro Val Ala Gly Ser Ser Thr Ala Val Ala Thr Ala Gly Gln
196 35 40 45
199 Val Asn Pro Ile Asp Pro Trp Ile Ile Asn Asn Phe Val Gln Ala Pro
200 50 55 60
203 Gln Gly Glu Phe Thr Ile Ser Pro Asn Asn Thr Pro Gly Gly Val Leu
204 65 70 75 80
207 Phe Asp Leu Ser Leu Gly Pro His Leu Asn Pro Phe Leu Leu His Leu
208 85 90 95
211 Ser Gln Met Tyr Asn Gly Trp Val Gly Asn Met Arg Val Arg Ile Met
212 100 105 110
215 Leu Ala Gly Asn Ala Phe Thr Ala Gly Lys Ile Ile Val Ser Cys Ile
216 115 120 125
219 Pro Pro Gly Phe Gly Ser His Asn Leu Thr Ile Ala Gln Ala Thr Leu
220 130 135 140
223 Phe Pro His Val Ile Ala Asp Val Arg Thr Leu Asp Pro Ile Glu Val
224 145 150 155 160
227 Pro Leu Glu Asp Val Arg Asn Val Leu Phe His Asn Asn Asp Arg Asn
228 165 170 175
231 Gln Gln Thr Met Arg Leu Val Cys Met Leu Tyr Thr Pro Leu Arg Thr
232 180 185 190
235 Gly Gly Gly Thr Gly Asp Ser Phe Val Val Ala Gly Arg Val Met Thr
236 195 200 205
239 Cys Pro Ser Pro Asp Phe Asn Phe Leu Phe Leu Val Pro Pro Thr Val
240 210 215 220
243 Glu Gln Lys Thr Arg Pro Phe Thr Leu Pro Asn Leu Pro Leu Ser Ser
244 225 230 235 240
247 Leu Ser Asn Ser Arg Ala Pro Leu Pro Ile Ser Gly Met Gly Ile Ser
248 245 250 255
251 Pro Asp Asn Val Gln Ser Val Gln Phe Gln Asn Gly Arg Cys Thr Leu
252 260 265 270
255 Asp Gly Arg Leu Val Gly Thr Thr Pro Val Ser Leu Ser His Val Ala
256 275 280 285
259 Lys Ile Arg Gly Thr Ser Asn Gly Thr Val Ile Asn Leu Thr Glu Leu
260 290 295 300
263 Asp Gly Thr Pro Phe His Pro Phe Glu Gly Pro Ala Pro Ile Gly Phe
264 305 310 315 320
267 Pro Asp Leu Gly Gly Cys Asp Trp His Ile Asn Met Thr Gln Phe Gly

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271 His Ser Ser Gln Thr Gln Tyr Asp Val Asp Thr Thr Pro Asp Thr Phe
272          340          345          350
275 Val Pro His Leu Gly Ser Ile Gln Ala Asn Gly Ile Gly Ser Gly Asn
276          355          360          365
279 Tyr Ile Gly Val Leu Ser Trp Val Ser Pro Pro Ser His Pro Ser Gly
280          370          375          380
283 Ser Gln Val Asp Leu Trp Lys Ile Pro Asn Tyr Gly Ser Ser Ile Thr
284 385          390          395          400
287 Glu Ala Thr His Leu Ala Pro Ser Val Tyr Pro Pro Gly Phe Gly Glu
288          405          410          415
291 Val Leu Val Phe Phe Met Ser Lys Ile Pro Gly Pro Gly Ala Tyr Ser
292          420          425          430
295 Leu Pro Cys Leu Leu Pro Gln Glu Tyr Ile Ser His Leu Ala Ser Glu
296          435          440          445
299 Gln Ala Pro Thr Val Gly Glu Ala Ala Leu Leu His Tyr Val Asp Pro
300          450          455          460
303 Asp Thr Gly Arg Thr Leu Gly Glu Phe Lys Ala Tyr Pro Asp Gly Phe
304 465          470          475          480
307 Leu Thr Cys Val Pro Asn Gly Ala Ser Ser Gly Pro Gln Gln Leu Pro
308          485          490          495
311 Ile Asn Gly Val Phe Val Phe Val Ser Trp Val Ser Arg Phe Tyr Gln
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341 Met Glu Pro Val Ala Gly Pro Thr Thr Ala Val Ala Thr Ala Gly Gln
342          35          40          45
345 Val Asn Met Ile Asp Pro Trp Ile Val Asn Asn Phe Val Gln Ser Pro
346          50          55          60
349 Gln Gly Glu Phe Thr Ile Ser Pro Asn Asn Thr Pro Gly Asp Ile Leu
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353 Phe Asp Leu Gln Leu Gly Pro His Leu Asn Pro Phe Leu Ser His Leu
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358          100          105          110
361 Leu Ala Gly Asn Ala Phe Ser Ala Gly Lys Ile Ile Val Cys Cys Val

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365 Pro Pro Gly Phe Thr Ser Ser Ser Leu Thr Ile Ala Gln Ala Thr Leu
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369 Phe Pro His Val Ile Ala Asp Val Arg Thr Leu Glu Pro Ile Glu Met
370 145          150          155          160
373 Pro Leu Glu Asp Val Arg Asn Val Leu Tyr His Thr Asn Asp Asn Gln
374          165          170          175
377 Pro Thr Met Arg Leu Val Cys Met Leu Tyr Thr Pro Leu Arg Thr Gly
378          180          185          190
381 Gly Gly Ser Gly Asn Ser Asp Ser Phe Val Val Ala Gly Arg Val Leu
382          195          200          205
385 Thr Ala Pro Ser Ser Asp Phe Ser Phe Leu Phe Leu Val Pro Pro Thr
386          210          215          220
389 Ile Glu Gln Lys Thr Arg Ala Phe Thr Val Pro Asn Ile Pro Leu Gln
390 225          230          235          240
393 Thr Leu Ser Asn Ser Arg Phe Pro Ser Leu Ile Gln Gly Met Ile Leu
394          245          250          255
397 Ser Pro Asp Ala Ser Gln Val Val Gln Phe Gln Asn Gly Arg Cys Leu
398          260          265          270
401 Ile Asp Gly Gln Leu Leu Gly Thr Thr Pro Ala Thr Ser Gly Gln Leu
402          275          280          285
405 Phe Arg Val Arg Gly Lys Ile Asn Gln Gly Ala Arg Thr Leu Asn Leu
406          290          295          300
409 Thr Glu Val Asp Gly Lys Pro Phe Met Ala Phe Asp Ser Pro Ala Pro
410 305          310          315          320
413 Val Gly Phe Pro Asp Phe Gly Lys Cys Asp Trp His Met Arg Ile Ser
414          325          330          335
417 Lys Thr Pro Asn Asn Thr Ser Ser Gly Asp Pro Met Arg Ser Val Ser
418          340          345          350
421 Val Gln Thr Asn Val Gln Gly Phe Val Pro His Leu Gly Ser Ile Gln
422          355          360          365
425 Phe Asp Glu Val Phe Asn His Pro Thr Gly Asp Tyr Ile Gly Thr Ile
426          370          375          380
429 Glu Trp Ile Ser Gln Pro Ser Thr Pro Pro Gly Thr Asp Ile Asn Leu
430 385          390          395          400
433 Trp Glu Ile Pro Asp Tyr Gly Ser Ser Leu Ser Gln Ala Ala Asn Leu
434          405          410          415
437 Ala Pro Pro Val Phe Pro Pro Gly Phe Gly Glu Ala Leu Val Tyr Phe
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445 Pro Cys Leu Leu Pro Gln Glu Tyr Ile Thr His Phe Val Ser Glu Gln
446          450          455          460
449 Ala Pro Thr Met Gly Asp Ala Ala Leu Leu His Tyr Val Asp Pro Asp
450 465          470          475          480
453 Thr Asn Arg Asn Leu Gly Glu Phe Lys Leu Tyr Pro Gly Gly Tyr Leu
454          485          490          495
457 Thr Cys Val Pro Asn Gly Val Gly Ala Gly Pro Gln Gln Leu Pro Leu
458          500          505          510

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/926,799

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